

From: [Ojeda, Jose](#)
To: [Brescia, Nicolas](#)
Subject: Hope Iron Metal - RSL vs RML
Date: Thursday, February 23, 2017 1:45:55 PM

Nic,

Found the e-mail, which referred me to Section 5 of the report:

Soil analytical data were compared to the EPA Risk Screening Levels (RSLs), Resident Soil Target Hazard Quotient (THQ) = 0.1, May 2016, and EPA Regional Removal Management Levels (RMLs), Resident Soil THQ = 1.0, May 2016.

RSLs are risk-based concentrations considered to be protective for humans and sensitive groups over a lifetime; however they are not always applicable to a particular site and do not address non-human health endpoints, such as ecological impacts. RSLs are not de facto cleanup standards but are typically used to help identify site contaminants and identify areas that may require further assessment. RSLs are provided with THQs of 0.1 and 1.0. Generally, if a site contains only one contaminant of concern, the THQ = 1.0 RSLs can be used; however if the site contains unknown or multiple COCs the more conservative THQ = 0.1 RSLs values may be preferred.

RMLs are risk-based concentrations used to help define site COCs and areas that may warrant a removal action under CERCLA. RMLs are not meant to define protective levels and are not de facto cleanup levels. RMLs are provided with HQs of 1.0 and 3.0. RMLs with a THQ = 3.0 are generally considered the upper target risk levels for non-cancer COCs. RMLs with a THQ = 1.0 are more conservative and may be more appropriate for those sites with multiple COCs.

A summary of soil analytical results compared to Residential RSLs (THQ = 0.1) and RMLs (THQ = 1.0) included as Table 5-1 and Table 5-2, respectively. These RSL and RML screening levels were used in an effort to compare site sample results to the lower (more conservative) screening values.

The tables have both RSL (THQ=0.1) and RML (THQ=1). Table 5-1 is comparing results to the RSL. Table 5-2 is comparing results to the RML.



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